

ABSTRACT

~~An ATM~~ A multiplexing apparatus ~~of the present invention is the apparatus~~
~~for selectively performing~~ performs cell discard processing in the case of
congestion on the basis of a use state of the same connection formed by cells
from the side of ~~an ATM~~ a switching unit and subscribers without installing UPC
units, and the ~~ATM~~ multiplexing apparatus, which is connected to the ATM
switching unit and each of the plural subscribers through ATM communication
lines, ~~and performs multiplexing processing to ATM cells sent from the plural~~
~~subscribers, comprises: detection means 118 for detecting a level of a~~
~~congestion state corresponding to the received ATM 157 from the subscribers;~~
~~and discard means (111, 115, and 117) for selectively discarding the received~~
~~ATM cells from the subscribers on the basis of a communication state~~
~~determined by the received ATM cells 155 from the ATM switching unit and the~~
~~received ATM cells from the subscribers and a level value of a warning signal~~
~~129 indicating the detected congestion state.~~